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PATENT  
Attorney Docket No.: 020910-000110US

Assistant Commissioner for Patents  
Washington, D.C. 20231

On November 5, 2002

TOWNSEND and TOWNSEND and CREW LLP

By: Paula Jane Shirley

#6/B  
Plunkett  
11/18/02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Michael A. Sherman et al.

Application No.: 10/053,253

Filed: November 2, 2001

For: METHOD FOR LARGE  
TIMESTEPS IN MOLECULAR  
MODELING

Examiner: Unassigned

Art Unit: 1644

SECOND PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination of the above-referenced application, please enter the following amendments and remarks.

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 10, line 30 with the following rewritten paragraph:

B1  
An asterisk indicates the transpose:  $H^*(k)$ , for example. A tilde over a vector indicates a 3 by 3 skew-symmetric cross product matrix:  $\tilde{v}w \triangleq v \times w$ .  $\underline{E}_i$  is an  $i$  by  $i$  identity matrix, and  $\underline{0}_i$  is a zero vector of length  $i$  and  $\underline{0}$  is an  $i$  by  $i$  zero matrix.